

FIRE SHIELD





Product Family

- ◆ 3, 5, 10 Zone Fire Alarm Control Panels
- ◆ Digital Alarm Communicator
- ◆ Modular Serial Remote Annunciators
- ◆ Modular Serial Remote Relays
- ◆ Reverse Polarity Module
- ◆ City Tie Module
- ◆ Front Panel and PC programmable
- ◆ Remote upload/download capabilities





Panels

Control Panels



FS302 - # Zone Control Panel

FS502 - 5 Zone Control Panel

FS1004 - 10 Zone Control Panel



FS302

3 zone

FACP

- ◆ 3 Class B IDCs
- ◆ 2 Class B NACs
- ◆ Alarm, Trouble and Supervisory Relays
- ◆ Serial Bus for Remote Annunciators and Remote Relays



FS502

5 zone FACP



- ◆ 5 Class B IDCs
 - ▯ Pairs of Class B IDCs can be combined to form one Class A IDC
- ◆ 2 Class B NACs
 - ▯ The two Class B NACs can be combined to form one Class A NAC
- ◆ Alarm, Trouble and Supervisory Relays
- ◆ Serial Bus for Remote Annunciators and Remote Relays



FS1004

10 Zone

FACP

- ◆ 10 Class B IDCs

- ▮ Pairs of Class B IDCs can be combined to form one Class A IDC

- ◆ 4 Class B NACs

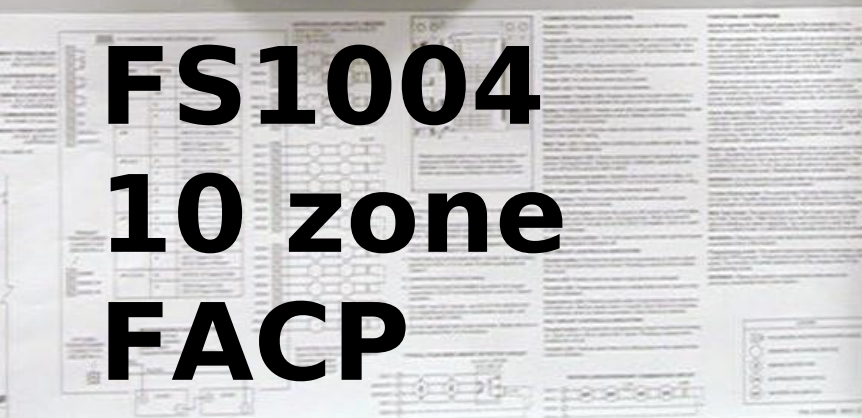
- ▮ Pairs of Class B NACs can be combined to form one Class A NAC

- ◆ Alarm, Trouble and Supervisory Relays

- ◆ Serial Bus for Rem. Annc. and Rem. Relays

- ◆ Optional expander transformer





FS1004

10 zone

FACP

FSDACT

Dialer, Modem & LCD Display

- ◆ Configurable as:
 - ▯ Dialer, Modem (2400 baud) & LCD Display
 - ▯ Modem & LCD Display only
 - ▯ LCD Display only
- ◆ Supports Contact ID and 4/2 formats
- ◆ No tools programming
 - ▯ Programmable using panel buttons or PC
- ◆ History Buffer



Simple Dialer Installation

Protected Premises Control Unit
control panel complies with NFPA 72, installation in accordance with
cse manual PIN 3100353 Rev 1.0 is mandatory.

Options: For PY302: 120 Vac, 0.5 A, For PY302E: 220 Vac, 0.3 A, For
100A: 120 Vac, 0.5 A, For For PY302E: 220 Vac, 0.3 A, For
PY302E: 220 Vac, 0.3 A, For PY302E: 220 Vac, 0.3 A.

Systems Supported: Local requires at least one alarm input circuit and one
circuit, Remote Station - Protected Premises Unit (same as Local plus
Station - Protected Premises Unit (same as Local plus DACT)

or Automatic and manual fire alarm, waterflow alarm, and sprinkler

Labeling: Noncoded, DACT (Remote and Central Station only)

Notice: This product complies with Part 15 of the FCC Rules, following conditions:

It must accept any interference that may cause

The IOC circuits
is a check mark.

will delay system

try not more than
No other indicating
be connected to

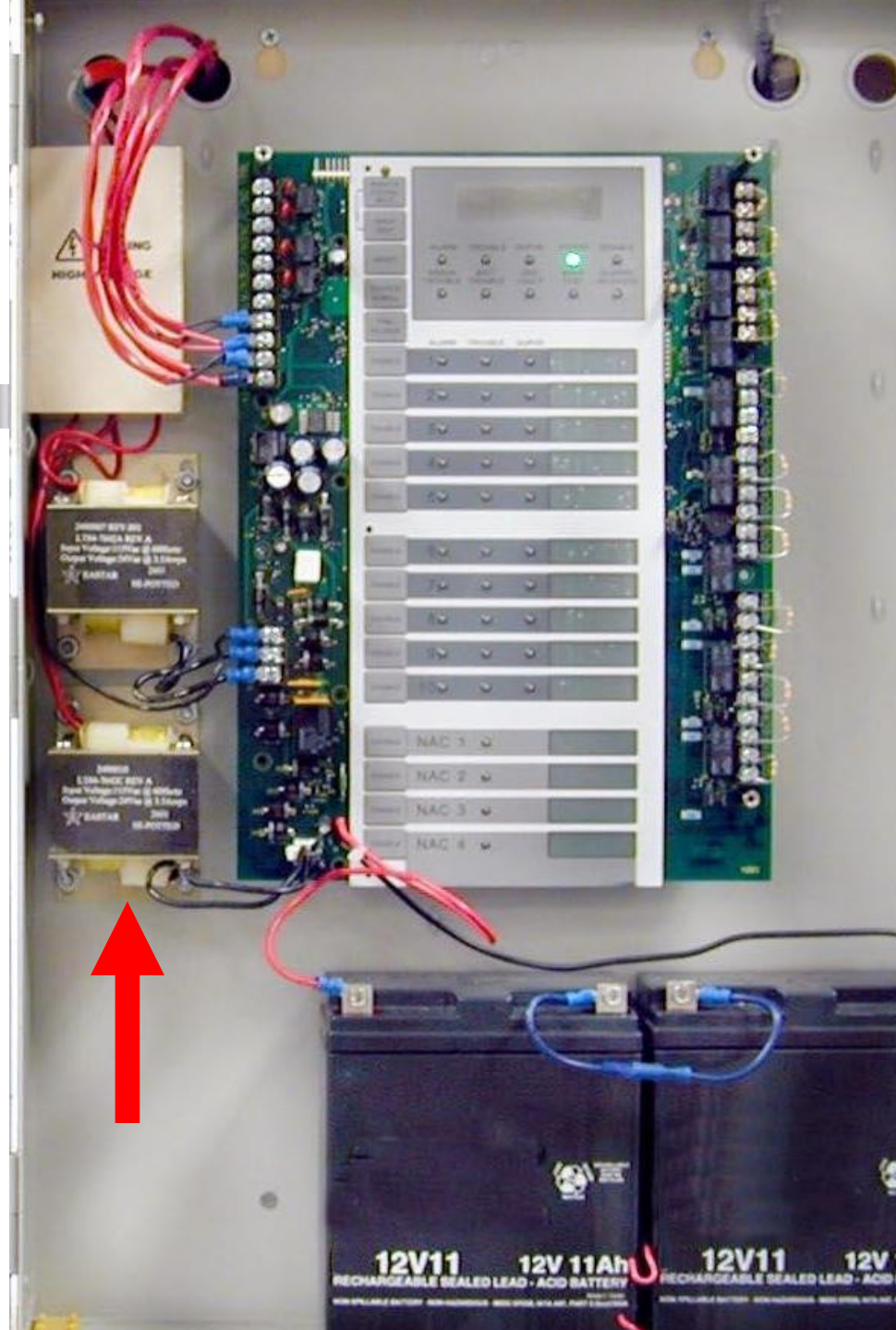
be connected by
a single stream
authority.

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P/N 310000X REV. 1.0

FSXTR3A*** Expander Transformer

- ◆ For use with FS1004 & FS1504 only
- ◆ Increases available NAC current from 2.5 amps to 5 amps
- ◆ Available as
 - FSXTR3A120 120 Vac
 - FSXTR3A230 230 Vac



Notification Appliance & Aux. Power Circuits

◆ FS302

- ▮ 1.5A per NAC, 1.5A all NACs,
- ▮ 0.5A aux

◆ FS502

- ▮ 1.5A per NAC, 2.5A all NACs,
- ▮ 0.5A aux

◆ FS1004 & FS1504

- ▮ 1.5A per NAC, 2.5A all NACs,
- ▮ Optional FSXTRA3 increases NAC power to 4.5A
- ▮ 0.5A aux



Other Output Circuits

- ◆ Relays - contacts rated 2 amps @ 30 Vdc
 - Alarm - Form A
 - Supervisory - Form A
 - Trouble - Form C
- ◆ Serial Bus for:
 - Remote Annunciator modules
 - Remote Relay modules





Serial Bus Modules

Serial Accessory Bus

- ◆ Devices may be connected
 - ▮ Up to 1000 feet away on 18 AWG
 - ▮ No twisted or shield required
 - ▮ 4 wires - Data (2) + 24 Vdc (2)
- ◆ Supports
 - ▮ 2 Remote System Indicators
 - ▮ 2 Remote Zone Indicators for each 5 zones
 - ▮ 2 Remote Relay Modules for common outputs + 2 for each 5 zones



Serial Remote Annunciation

◆ Remote System Indicator

- ▮ Supports 2 per
system



Serial Remote Annunciation

- ◆ Remote Zone Indicator
- ◆ 5 Red LEDs for zone indication
- ◆ Mounts in Standard ANSI/NEMA electrical boxes



Serial Remote Annunciation

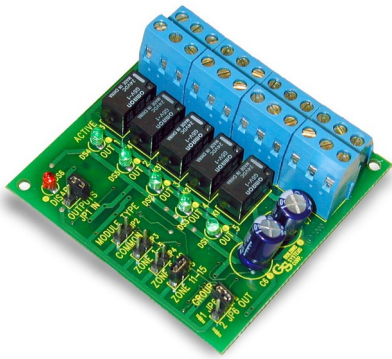


FSRSI



FSRZI



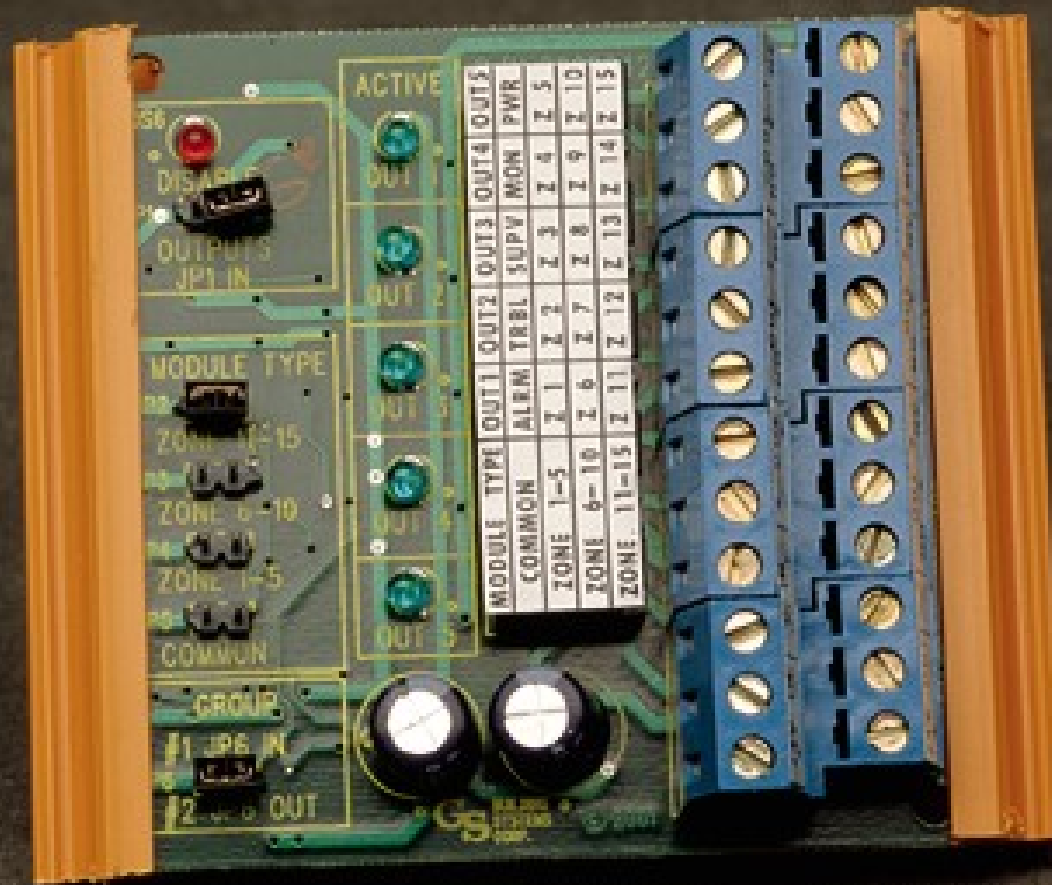


Serial Remote Relay Module

- ◆ Five Form C relays, rated 2A @ 30Vdc
- ◆ Module disable jumper for service & testing
- ◆ LEDs per relay to confirm status
- ◆ Mount in MFC-A or other listed fire alarm enclosure
- ◆ Configurable Operation



FSKRM Serial Remote Relay Module





Operation

Display

◆ LEDs

- ▯ 10 common System
- ▯ Alarm, Supervisory/Monitor and Trouble/Disabled per IDC
- ▯ Trouble/Disabled per NAC

◆ LCD (included with DACT installed)

- ▯ 2 lines of 16 characters

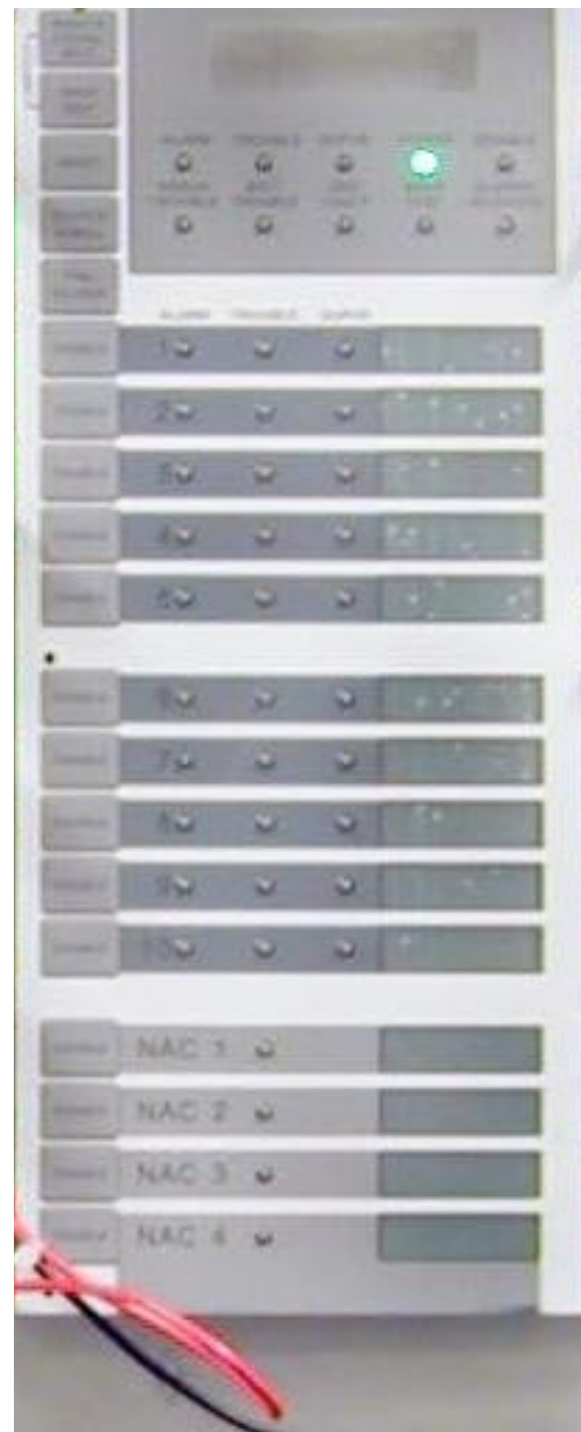


User Interface

Common
Controls &
Indicators

IDC
Controls &
Indicators

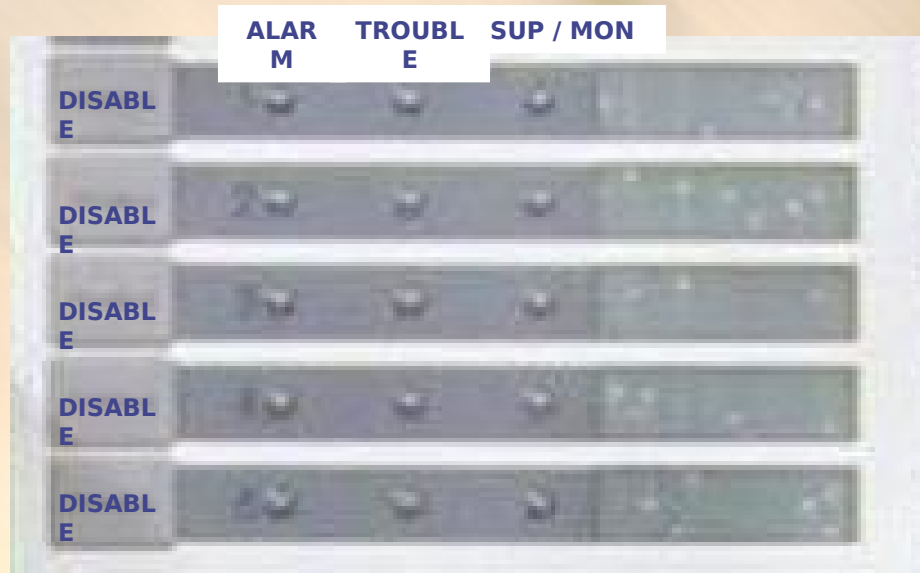
NAC
Controls &
Indicators



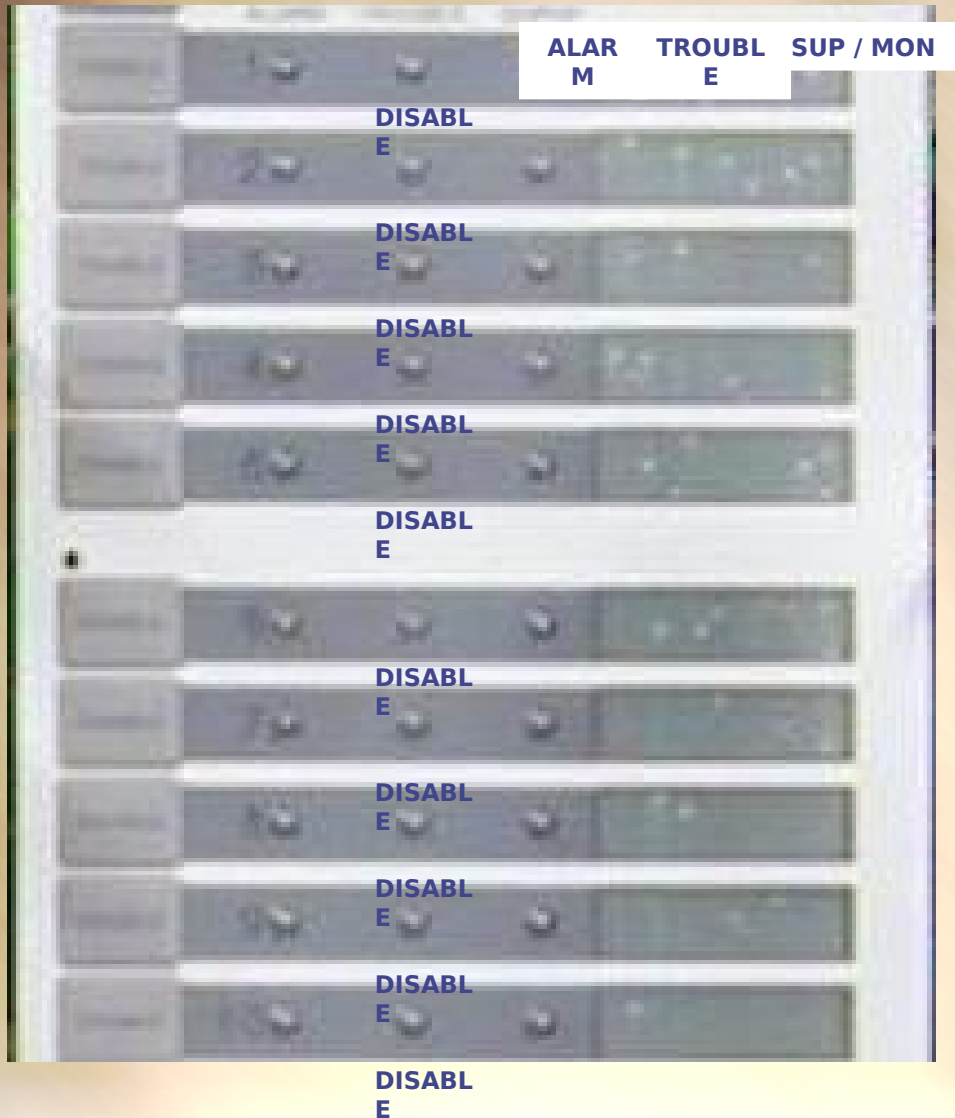
Common Controls & Indicators



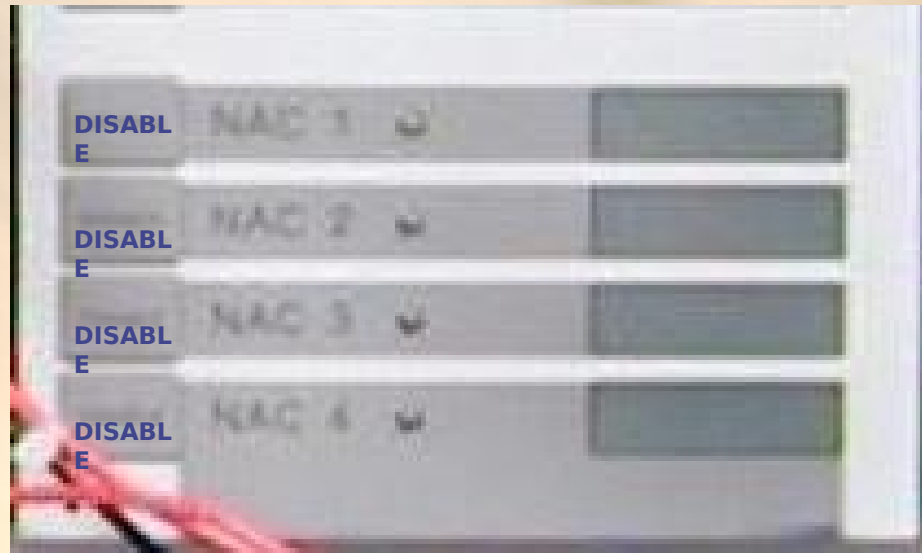
Initiating Device Circuit Indicators & Controls



Initiating Device Circuit Indicators & Controls



Notification Appliance Circuit Indicators & Controls



FIRE SHIELD

